Claims

1. A cylinder pair of a printing group of a rotary offset printing press, consisting of a forme cylinder (01a) and a transfer cylinder (01b), wherein the forme cylinder (01a) and the transfer cylinder (01b) each have openings (14) underneath their shells (13), which terminate in grooves (11', 11, 12) extending in the axial direction for introducing the ends (03, 04) of dressings (02a to 02f, 02g to 02l, 02m, 02n, 02o), wherein at least one opening (14) has been cut into the forme cylinder (01a) for each printing forme (02a to 02f, 02g to 02l), and for each rubber printing blanket (02m, 02n, 02o) at least one opening (14) has been cut into the transfer cylinder (01b), wherein at least one opening (14) of the forme cylinder (01a) rolls off on at least one opening (14) of the transfer cylinder (01b),

wherein the transfer cylinder (01b) is covered in its axial direction by at least three rubber printing blankets (02m, 02n, 02o) arranged side-by-side, and along its circumference (U) is covered with one rubber printing blanket (02m, 02n, 02o),

wherein the forme cylinder (01a) is covered in its axial direction by an identical or larger number of printing formes (02a to 02f, 02g to 02l), arranged side-by-side, and along its circumference (U) is covered by two printing formes (02a to 02f, 02g to 02l),

wherein the width of a printing forme (02a to 02f, 02g to 02l) corresponds to the width of a rubber printing blanket (02m, 02n, 02o), or the widths of several printing formes

(02a to 02f, 02g to 02l) complement each other to constitute the width of a rubber printing blanket (02m, 02n, 02o),

characterized in that the width extending in the axial direction of each opening (14) cut into the forme cylinder (01a) and the transfer cylinder (01b) respectively corresponds to the width of one of the dressings (02a to 02f, 02g to 02l, 02m, 02n, 02o), that the openings (14) of sections (A, B, C, D), which adjoin each other in the axial direction of the transfer cylinder (01b) and are defined by the width of the rubber printing blanket (02m, 02n, 02o), are arranged offset by 90° in the circumferential direction, and that the openings (14), axially spaced-apart by closed sections (A, B, C D) of the shell (13) are aligned with each other, and that the openings (14) of sections (A, B, C, D) which adjoin each other in the axial direction of the forme cylinder (01a) are arranged offset by 90° in the circumferential direction and openings (14), which are axially spaced-apart by closed sections (A, B, C, D) of the shell (13) are aligned with each other.

2. The cylinder pair in accordance with claim 1, characterized in that two openings (14) of the forme cylinder (01a), in which adjoining outer printing formes (02a, 02b, 02g, 02h) have been fastened, are aligned in the axial direction of the forme cylinder (01a) with two openings (14), in which other adjoining printing formes (02e, 02f, 02k, 02l) are fastened, and the forme cylinder (01a) is closed between the aligned openings (14), wherein the openings in which the respectively center printing formes (02c, 02d, 02i, 02j) are fastened, are arranged offset by 90° in the circumferential

direction of the forme cylinder (01a) in respect to the openings (14), in which the outer printing formes (02a, 02b, 02e, 02f, 02g, 02h, 02k, 02 l) are fastened.

- 3. The cylinder pair in accordance with claim 1, characterized in that printing formes (02c, 02d, 02i, 02j), which are arranged offset in the circumferential direction in respect to other printing formes (02a, 02b, 02e, 02f, 02k, 02l), are arranged offset in the circumferential direction of a rubber printing blanket (02n) in the same section (B), which is arranged offset in respect to other rubber printing blankets (02m, 02o) of the same transfer cylinder (01b).
- A cylinder pair of a printing group of a rotary offset printing press, consisting of a forme cylinder (01a) and a transfer cylinder (01b), wherein the forme cylinder (01a) and the transfer cylinder (01b) each have openings (14) underneath their shells (13), which terminate in grooves (11', 11, 12) extending in the axial direction for introducing the ends (03, 04) of dressings (02a to 02f, 02g to 021, 02m, 02n, 02o), wherein at least one opening (14) has been cut into the forme cylinder (01a) for each printing forme (02a to 02f, 02g to 021), and for each rubber printing blanket (02m, 02n, 02o) at least one opening (14) has been cut into the transfer cylinder (01b), wherein at least one opening (14) of the forme cylinder (01a) rolls off on at least one opening (14) of the transfer cylinder (01b), wherein all openings (14) of the forme cylinder (01a) following each other in the axial direction are aligned with each other and result in a continuous opening (14),

wherein in its axial direction, the transfer cylinder (01b) is covered with at least three rubber printing blankets (02m, 02n, 02o), and along its circumference (U) with one rubber printing blanket (02m, 02n, 02o), wherein the openings (14) of adjoining sections (A, B, C, D), which are defined by the width of the rubber printing blanket (02m, 02n, 02o) and adjoin each other in the axial direction of the transfer cylinder (01b), are arranged offset by 180° in the circumferential direction,

wherein the forme cylinder (01a) is covered in its axial direction by an identical or larger number of printing formes (02a to 02f, 02g to 02l), arranged side-by-side, and along its circumference (U) is covered by two printing formes (02a to 02f, 02g to 02l),

wherein the width of a printing forme (02a to 02f, 02g to 02l) corresponds to the width of a rubber printing blanket (02m, 02n, 02o), or the widths of several printing formes (02a to 02f, 02g to 02l) complement each other to constitute the width of a rubber printing blanket (02m, 02n, 02o),

characterized in that each opening (14) cut into the transfer cylinder (01b) and extending in the axial direction respectively corresponds to the width of one of the rubber printing blankets (02m, 02n, 02o), and that openings (14) spaced apart by closed sections (A, B, C, D) of the shell (13) are aligned in the axial direction of the transfer cylinder (01b).

5. The cylinder pair in accordance with claim 1 or 4, characterized in that the width of a rubber printing blanket

(02m, 02n, 02o) corresponds to the width of two printing formes (02a to 02f, 02g to 02l).

- 6. The cylinder pair in accordance with claim 1 or 4, characterized in that each of the printing formes (02a to 02f, 02g to 02l) is of identical width.
- 7. The cylinder pair in accordance with claim 1 or 4, characterized in that each of the rubber printing blankets (02m, 02n, 02o) is of identical width.
- 8. The cylinder pair in accordance with claim 1 or 4, characterized in that the rubber printing blanket (02m, 02n, 02o) has a dimensionally stable support plate.
- 9. The cylinder pair in accordance with claim 1 or 4, characterized in that at least one groove (11', 11, 12) is embodied as a blind bore open towards the front end of the forme cylinder (01a) or of the transfer cylinder (01a).
- 10. The cylinder pair in accordance with claim 1 or 4, characterized in that each groove (11', 11, 12) is embodied as a blind bore open towards the front end of the forme cylinder (01a) or of the transfer cylinder (01a).
- 11. The cylinder pair in accordance with claim 1 or 4, characterized in that at least one holding device is arranged underneath sections of grooves (11', 11, 12) of the forme

cylinder (01a) and the transfer cylinder (01b) extending under the open sections (A, B, C, D) of the shell (13).

- 12. The cylinder pair in accordance with claim 1 or 4, characterized in that at least one filler element (26) without a holding device is arranged underneath sections of grooves (11', 11, 12) of the forme cylinder (01a) and the transfer cylinder (01b) extending under the open sections (A, B, C, D) of the shell (13).
- 13. The cylinder pair in accordance with claim 1 or 4, characterized in that the transfer cylinder (01b) works together with a counter-pressure cylinder.
- 14. The cylinder pair in accordance with claim 13, characterized in that the counter-pressure cylinder has a closed shell (13) without openings (14).
- 15. The cylinder pair in accordance with claim 1 or 4, characterized in that the cylinder pair is employed in a quadruple arrangement around a common counter-pressure cylinder and forms a 9-cylinder satellite printing group.
- 16. A cylinder (01, 01a, 01b) of a printing group of a rotary offset printing press, wherein the cylinder (01, 01a, 01b) has openings (14) underneath its shell (13), which terminate in grooves (11', 11, 12) extending in the axial direction for introducing the ends (03, 04) of dressings (02a to 02f, 02g to 02l, 02m, 02n, 02o), wherein an opening (14)

has been cut into the cylinder (01, 01a, 01b) for each dressing (02a to 02f, 02g to 02l,02m, 02n, 02o), wherein the cylinder (01, 01a, 01b) is covered in its axial direction by at least three dressings (02a to 02f, 02g to 02l, 02m, 02n, 02o) arranged side-by-side, and along its circumference (U) is covered by at least one dressing (02a to 02f, 02g to 02l, 02m, 02n, 02o), wherein the openings (14) of sections (A, B, C, D), which adjoin each other in the axial direction of the cylinder (01, 01, 01b) and are defined by the width of at least one of the dressings (02a to 02f, 02g to 02l,02m, 02n, 02o) are arranged offset in the circumferential direction,

wherein a holding device is provided in the grooves (11', 11, 12), wherein the holding device selectively has a closed operating position or an open operating position and, in its closed operating position holds at least one end (03, 04) of one of the dressings (02a to 02f, 02g to 02l,02m, 02n, 02o),

characterized in that openings (14), which are axially spaced apart by at least one closed section (A, B, C, D) of the shell (13), are aligned with each other, and that holding devices in different sections (A, B, C, D) with openings, which are aligned with each other, assume the open operating position or the closed operating position sectionally and independently of each other.

17. The cylinder (01, 01a, 01b) in accordance with claim 16, characterized in that width extending in the axial direction of each opening (14) cut into the cylinder (01, 01a, 01b) respectively corresponds to the width of at least one of the dressings (02a to 02f, 02g to 02l,02m, 02n, 02o),

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- 18. The cylinder (01, 01a, 01b) in accordance with claim 16, characterized in that the holding device changes from the closed into the open operating position and/or from open operating position into the closed operating position by remote control.
- 19. The cylinder (01, 01a, 01b) in accordance with claim 16, characterized in that the holding device changes its operating position pneumatically.
- 20. The cylinder (01, 01a, 01b) in accordance with claim 16, characterized in that the holding device changes its operating position by means of a hose, which can be charged with a pressure medium and is arranged in the groove (11', 11, 12).
- 21. A cylinder (01, 01a, 01b) of a printing group of a rotary offset printing press, wherein the cylinders (01, 01a, 01b) have openings (14) underneath their shells (13), which terminate in grooves (11', 11, 12) extending in the axial direction, for introducing the ends (03, 04) of dressings (02a to 02f, 02g to 02l, 02m, 02n, 02o), wherein an opening (14) has been cut into the cylinder (01, 01a, 01b) for each dressing (02a to 02f, 02g to 02l,02m, 02n, 02o), wherein the cylinder (01, 01a, 01b) is covered in its axial direction by at least three dressings (02a to 02f, 02g to 02l, 02m, 02n, 02o) arranged side-by-side, and along its circumference (U) is covered by at least one dressing (02a to 02f, 02g to 02l, 02m, 02n, 02o), wherein the openings of sections (A, B, C, D), which adjoin each other in the axial direction of the

cylinder (01, 01, 01b) and are defined by the width of at least one of the dressings (02a to 02f, 02g to 02l,02m, 02n, 02o) are arranged offset in the circumferential direction,

characterized in that at least one groove (11', 11, 12) is embodied as a blind bore open at a front end of the cylinder (01, 01a, 10b), wherein the blind bore extends at least underneath a section (A, B, C, D), which is closed toward the shell (13).

- 22. The cylinder (01, 01a, 01b) in accordance with claim 21, characterized in that the section (A, B, C, D) under which the blind bore tunnels adjoins that front end of the cylinder (01, 01a, 01b) on which the blind bore is open.
- 23. The cylinder (01, 01a, 01b) in accordance with claim 16 or 21, characterized in that the cylinder (01, 01a, 01b) is embodied as a forme cylinder (01a) or a transfer cylinder (01b).
- 24. The cylinder pair in accordance with claim 1 or 4 or the cylinder (01, 01a, 01b) in accordance with claim 16 or 21, characterized in that in the circumferential direction of the cylinder (01, 01a, 01b), the openings (14) have a slit width (S) of less than 5 mm.
- 25. The cylinder pair in accordance with claim 1 or 4 or the cylinder (01, 01a, 01b) in accordance with claim 16 or 21, characterized in that the cylinders (01, 01a, 01b) have an axial length (L) between 1200 mm and 2400 mm.

26. The cylinder pair in accordance with claim 1 or 4 or the cylinder (01, 01a, 01b) in accordance with claim 16 or 21, characterized in that the cylinders (01, 01a, 01b) have a diameter (D1) between 160 mm and 340 mm.

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- 27. The cylinder pair in accordance with claim 1 or 4 or the cylinder (01, 01a, 01b) in accordance with claim 16 or 21, characterized in that each groove (11', 11, 12) is arranged underneath the shell (13) of the cylinder (01, 01a, 01b) at a distance (a) of 4 mm to 10 mm.
- 28. The cylinder pair in accordance with claim 1 or 4 or the cylinder (01, 01a, 01b) in accordance with claim 16 or 21, characterized in that each groove (11', 11, 12) is embodied in the form of a circular bore.
- 29. The cylinder pair in accordance with claim 1 or 4 or the cylinder (01, 01a, 01b) in accordance with claim 16 or 21, characterized in that each groove (11', 11, 12) has a diameter (D2) of 25 mm to 50 mm.
- 30. The cylinder pair in accordance with claim 1 or 4 or the cylinder (01, 01a, 01b) in accordance with claim 16 or 21, characterized in that a dressing (02a to 021) embodied as a printing forme has at least one print image location.
- 31. The cylinder pair in accordance with claim 1 or 4 or the cylinder (01, 01a, 01b) in accordance with claim 16 or 21, characterized in that the printing forme (02a to 02l) is embodied as a panorama printing plate.

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32. The cylinder pair in accordance with claim 30, characterized in that the print image location of the printing forme (02a to 02l) has the dimensions of a newspaper page.

33. The cylinder pair in accordance with claim 32, characterized in that six newspaper pages are arranged side-by-side in the axial direction of the forme cylinder (01a) or of the cylinder (01).